In re application of WILLIAMS ET AL.
Serial No. 09/849,170

Listing of the Claims:

1.   (Previously presented): A computer system, comprising,

a writing instrument that generates movement information including acceleration

information from a user's handwriting; and

        a conversion component that utilizes the acceleration information to

generate line thickness information.

2.   (Original): The computer system of claim 1, wherein the writing

instrument is a pen.

3.   (Previously presented): The computer system of claim 1, wherein

the writing instrument comprises an accelerometer configured to generate the

acceleration information.

4.   (Previously presented): The computer system of claim 3, wherein

the accelerometer generates analog movement information, and wherein the

writing instrument comprises an analog-to-digital converter for converting the

analog movement information to digital data.

5.   (Original): The computer system of claim 4, wherein the conversion

component is located remote from the writing instrument, and further comprising

transmitting the digital data to the conversion component.

2

In re application of WILLIAMS ET AL.
Serial No. 09/849,170

6.   (Original): The computer system of claim 5, wherein the digital data
is transmitted via a wireless connection.

7.   (Original): The computer system of claim 5, wherein the digital data
is transmitted via a hardwired connection.

8.   (Original): The computer system of claim 3, wherein the
accelerometer is configured to generate tilt information.

9.   (Currently amended): <u>A computer system, comprising,
a writing instrument that generates movement information including acceleration
information from a user's handwriting; and</u>

<u>   a conversion component that utilizes the acceleration information to
generate line thickness information</u> ~~The computer system of claim 8, wherein the
conversion component generates thickness information~~ based upon spacing of
plots in a map of a plot of the movement information.

10.   (Original): The computer system of claim 9, wherein the thickness
information is based upon the samples/unit distance of the plots.

3

In re application of WILLIAMS ET AL.
Serial No. 09/849,170

11.   (Original): The computer system of claim 10, wherein the thickness information increases a thickness component as the samples/unit distance increase.

12.   (Previously presented): The computer system of claim 3, wherein the conversion component generates thickness information based upon wavelengths of the movement information.

13.   (Original): The computer system of claim 12, wherein the thickness information increases a thickness component as the wavelengths increase.

14.   (Original): The computer system of claim 1, wherein the conversion component is located remote from the writing instrument, and further comprising transmitting the digital data to the conversion component.

15.   (Original): The computer system of claim 14, wherein the digital data is transmitted via a wireless connection.

16.   (Original): The computer system of claim 14, wherein the digital data is transmitted via a hardwired connection.

17.   (Previously presented): The computer system of claim 3, wherein the movement information comprises tilt information.

4

In re application of WILLIAMS ET AL.
Serial No. 09/849,170

18.   (Currently amended): A computer system, comprising,

a writing instrument that generates movement information including acceleration

and tilt information from a user's handwriting; and

_____   a conversion component that utilizes the acceleration information to

generate line thickness information~~The computer system of claim 17, wherein the~~

~~conversion component generates thickness information~~ based upon spacing of

plots in a map of a plot of the tilt information.

19.   (Original): The computer system of claim 18, wherein the thickness

information is based upon the samples/unit distance of the plots.

20.   (Original): The computer system of claim 19, wherein the thickness

information increases a thickness component as the samples/unit distance

increase.

21.   (Previously presented): The computer system of claim 1, wherein

the movement information comprises pulses having wavelengths.

22.   (Original): The computer system of claim 21, wherein the thickness

information increases a thickness component as the wavelengths increase.

5